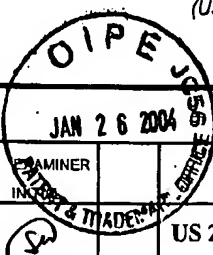




<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)				ATTY DOCKET NO. <b>UCT-0037</b>		SERIAL NO. <b>10/641,705</b>	
				Can Erkey et al.			
				FILING <b>08/15/2003</b>		GROUP	

U.S. PATENT DOCUMENTS							
EXAMINER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<div style="text-align: center;">  </div>	US 2002/0070167	6/13/2002	Krasutsky et al.	210	634		
	4,933,404	6/12/1990	Beckman et al.	526	207		
	4,996,366	2/26/1991	Tinuucci et al.	568	454		
	5,158,704	10/27/1992	Fulton et al.	252	309		
	5,266,205	11/30/1993	Fulton et al.	210	639		
	5,238,671	8/24/1993	Matson et al.	423	397		
	5,770,172	6/23/1998	Linehan et al.	423	561.1		
	5,814,678	8/29/1998	Randolph	522	18		
	6,299,652	10/9/2001	Jureller et al.	8	142		
	6,452,055	9/17/2002	Koch et al.	568	454		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	WO9961401; A1; 19991202 (Abstract Only)						
	Smith, R. T. et al., "Rhodium Complexes of the Water-Soluble Phosphine $\text{Ph}_2\text{PCH}_2\text{CH}_2\text{NMe}_3^+$ . Their Complexes with Hydride, Olefin, and Carbon Monoxide Ligands. Their Use as Olefin Hydrogenation and Hydroformylation Catalysts in Aqueous Solution and in Aqueous/Organic Solven Two-Phase Systems and Adsorbed on A Cation-Exchange Resin", Organometallics, 1983, 2, 1138-1144,						
EXAMINER <i>S. Withnypor</i>			DATE CONSIDERED <i>6/16/04</i>				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





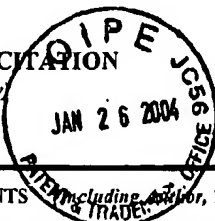




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		Applicant(s) <b>Can Erkey et al.</b>	
		Filing Date <b>08/15/2003</b>	Group Art Unit
*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
(SW)	Heitz, M. P. et al., "Water Core within Perfluoropolyether-Based Microemulsions Formed in Supercritical Carbon Dioxide", J. Phys. Chem B 1997, 101, 6707-6714.		
	Cornils, B. et al., "Aqueous-Phase Organometallic Catalysis; Concepts and Applications", 1998, Weinheim, Germany: Wiley-VCH, 59-143.		
	Horvath, I. T., "Fluorous Biphasic Chemistry", Acc. Chem. Res. 1998, 31, 10, 641-650.		
	Niemeyer, E. D., "The pH within PFPE Reverse Micelles Formed in Supercritical CO <sub>2</sub> ", J. Phys. Chem. B 1998, 102, 1474-1478.		
	Cornils, B., "Bulk and Fine Chemicals Via Aqueous Biphasic Catalysis", Journal of Molecular Catalysis A: Chemical 143 (1999) 1-10.		
	Holmes, J. D. "Synthesis of Cadmium Sulfide Q Particles in Water-in-CO <sub>2</sub> Microemulsions", Langmuir 1999, 15, 6613-6615.		
	Holmes, J. D. "Buffering the Aqueous Phase pH in Water-in-CO <sub>2</sub> Microemulsions", J. Phys. Chem. B 1999, 103, 5703-5711.		
	Jacobson, G. B., "Organic Synthesis in Water/Carbon Dioxide Microemulsions", J. Org. Chem. 1999, 64, 1201-1206.		
	Jacobson, G. B., "Enhanced Catalyst Reactivity and Separations Using Water/Carbon Dioxide Emulsions", J. Am. Chem. Soc. 1999, 121, 11902-11903.		
	Kane, M. A., "Performance of Cholesterol Oxidase Sequestered within Reverse Micelles Formed in Supercritical Carbon Dioxide", Langmuir 2000, 16, 4901-4905.		
	Liu, Z. et al., "Water in Carbon Dioxide Microemulsions with Fluorinated Analogues of AOT", Langmuir 2001, 17, 274-277.		
(SW)	Dong, X. et al., "Behavior and Micelle Size of an Aqueous Microdispersion in Supercritical CO <sub>2</sub> with a Novel Surfactant", Ind. Eng. Chem. Res. 2002, 41, 1038-1042.		
EXAMINER S. Witherspoon		DATE CONSIDERED 6/16/04	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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Filing Date

08/15/2003

Group Art Unit

\*EXAMINER

INITIAL

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

X. Dong et al., "Synthesis of CuS Nanoparticles in Water-in-Carbon Dioxide Microemulsions", Ind. Eng. Chem. Res. 2002, 41, 4489-4493.

Can Erkey et al., "Hydroformylation of ethylene in supercritical carbon dioxide using Ru(SO)<sub>2</sub> as a catalyst precursor", Catalysis Communications 3 (2002) 213-219.

Shaker Haji et al., "Investigation of rhodium catalyzed hydroformylation of ethylene in supercritical carbon dioxide by in situ FTIR spectroscopy", Tetrahedron, Volume 58 (2002) 3929-3941.

Haumann, M. et al., "Hydroformylation of 1-dodecene using Rh-TPPTS in a microemulsion", Applied Catalysis A: General 225 (2002) 239-249.

Ohde, H. et al., "Water-in-CO<sub>2</sub> Microemulsions as Nanoreactors for Synthesizing CdS and ZnS Nanoparticles in Supercritical CO<sub>2</sub>", Nano Letters 2002, Volume 2, Number 7, pages 721-724.

Ohde, H. et al., "Hydrogenation of Olefins in Supercritical CO<sub>2</sub>, Catalyzed by Palladium Nanoparticles in a Water-in-CO<sub>2</sub> Microemulsion", J. Am. Chem. Soc., 2002, 124, 4540-4541.

<http://www.cmt.anl.gov/toroid-cavity/poster1/aip-04index.html> ; printed 8/5/2002; 18 pages.

Keith P. Johnston et al., "Reactions and Synthesis in Microemulsions and Emulsions in Carbon Dioxide", Surfactant Synthesis Series (2001), 100 (Reactions and Synthesis in Surfactant Systems), 349-358.

David E. Fremgen et al., "Microemulsions of water in superficial carbon dioxide: an In-situ NMR investigation of micelle formation and structure" Journal of Supercritical Fluids 19 (2001) 287-298.

Gunilla B. Jacobson et al., "Biphasic Catalysis in Water/Carbon Dioxide Micellar Systems", (Abstract Only), American Chemical Society, 217th ACS National Meeting 0-8412-3672-0, March 21-25, 1999.

J. D. Holmes et al., "Bioconversions in a Water-in-CO<sub>2</sub> Microemulsion", Langmuir, Vol. 14, No. 22, 1998, 6371-6376.

Yutaka Ikushima, "Supercritical fluids: an interesting medium for chemical and biochemical processes", Advances in Colloid and Interface Science 71-72 (1997) 259-280.

EXAMINER

S. Wilkerson

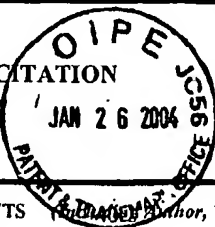
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08/15/2003

Group Art Unit

\*EXAMINER  
INITIAL

OTHER DOCUMENTS

(Include Author, Title, Date, Pertinent Pages, Etc.)

Marina A. Hauck et al., "Hemoproteins-Catalyzed Oxidations of Organosulfur Compounds in Reverse Micelles, Microemulsions, and Emulsions in Supercritical Fluids", (Abstract Only), American Chemical Society, 222nd ACS National Meeting 0-8412-3803-0, August 26-30, 2001.

Dongil Lee et al., "Electrochemistry In Water-In-Supercritical-CO<sub>2</sub>, Microemulsions", (Abstract Only) American Chemical Society, 222nd ACS National Meeting 0-8412-3803-0, August 26-30, 2001.

Robert H. Grubbs et al., "Catalytic Reduction of Olefins with a Polymer-Supported Rhodium(I) Catalyst" Journal of the American Chemical Society, 93:12, June 16, 1971, pages 3062-3063.

M. Capka et al., "Hydrogenation, Hydrosilylation and Hydroformylation of Olefins Catalysed by Polymer-Supported Rhodium Complexes", Tetrahedron Letters No. 50, pp 4787-4790, 1971.

Yutaka Ikushima, "Supercritical fluids as media for chemical and biochemical reactions", Recent Research Developments in Chemical Engineering (1997), 1, 49-57.

EXAMINER

S. W. Winterspoon

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